

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number
WO 2004/096297 A1

(51) International Patent Classification⁷: A61L 9/03, 9/12, A01M 1/20, A61L 9/14

(21) International Application Number:
PCT/CH2004/000259

(22) International Filing Date: 28 April 2004 (28.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0309779.7 30 April 2003 (30.04.2003) GB

(71) Applicant (for all designated States except US): GIVAUDAN SA [CH/CH]; Chemin de la Parfumerie 5, CH-1214 Vernier (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BROWN, Colin [GB/GB]; 5 Clandon Avenue, Egham, Surrey TW20 8LP (GB). NAISH, Guy, Edward [GB/GB]; 28 Mullein Road, Bicester, Oxfordshire OX26 3WE (GB).

(74) Agent: MCSTEA, John, Anthony; Ueberlandstrasse 138, CH-8600 Duebendorf (CH).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

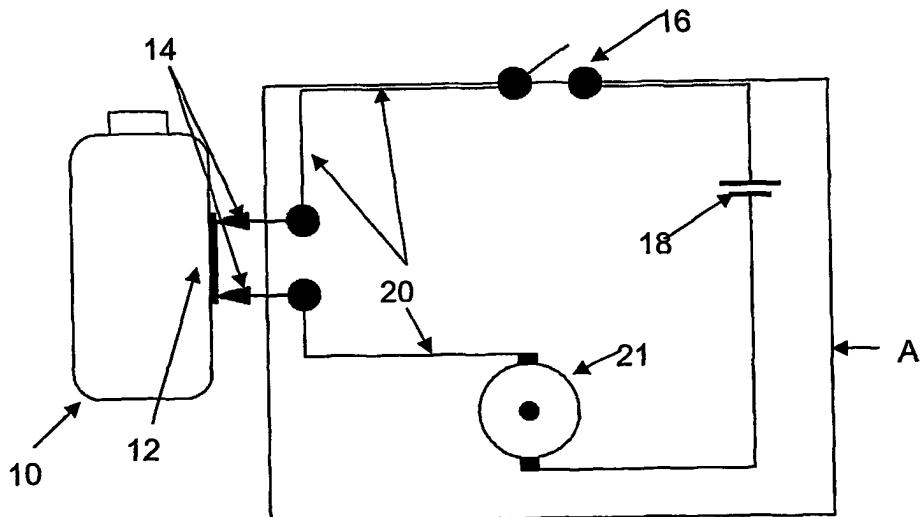
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VOLATILE LIQUID DISPENSING DEVICE



WO 2004/096297 A1

(57) Abstract: A dispensing device (A) that includes an electrically driven actuator device (21) for dispensing a volatile liquid to an ambient environment comprising: a refill (10), which includes a reservoir of volatile liquid and a closure means (12); and a switch means associated (14) with the dispensing device adapted to engage or interact with the closure means when the dispensing device is appropriately assembled, such that an electrical circuit is completed and the device can operate. Only when the closure means of the refill properly engages or interacts with the switch means can the device be activated. If the closure means is improperly installed within the air treatment device, or if an inappropriate refill is installed, the electrical circuit remains open and the device does not operate.